

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/006,591A
Source: IFW16
Date Processed by STIC: 4-15-05

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IFW16

RAW SEQUENCE LISTING

DATE: 04/15/2005

PATENT APPLICATION: US/10/006,591A

TIME: 12:15:44

Input Set : A:\1087-3.txt

Output Set: N:\CRF4\04152005\J006591A.raw

3 <110> APPLICANT: Bowdish, Katherine S.
 4 Frederickson, Shana
 5 Lin, Ying-Chi
 6 Renshaw, Mark
 7 Wild, Martha
 8 McWhirter, John

10 <120> TITLE OF INVENTION: ENGINEERED PLASMIDS AND THEIR USE FOR IN SITU PRODUCTION OF
 GENES

12 <130> FILE REFERENCE: 1087-3
 14 <140> CURRENT APPLICATION NUMBER: 10/006,591A
 15 <141> CURRENT FILING DATE: 2001-12-05
 17 <150> PRIOR APPLICATION NUMBER: 60/251,440
 18 <151> PRIOR FILING DATE: 2000-12-05
 20 <160> NUMBER OF SEQ ID NOS: 13
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 6122
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: vector
 32 <400> SEQUENCE: 1

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 35 cattttttaa ccaataggcc gaaatcggca aaatccctta taaatcaaaa gaatagaccg 120
 37 agatagggtt gagtgttggt ccagtttgga acaagagtcc actattaaag aacgtggact 180
 39 ccaacgtcaa agggcgaaaa accgtctatc agggcgatgg cccactacgt gaaccatcac 240
 41 cctaatacaag ttttttgggg tcgaggtgcc gtaaagcact aaatcggaac cctaaaggga 300
 43 gcccccgatt tagagcttga cggggaaagc gggcgaaact ggcgagaaag gaaggggaaga 360
 45 aagcgaaagg agcgggcgct agggcgctgg caagtgtagc ggtcacgctg cgcgtaacca 420
 47 ccacaccgcg cgcgcttaat gcgcgcgtac agggcgcgct aggtggcact tttcggggaa 480
 49 atgtgcgcgg aacccttatt tgtttatatt tctaaataca ttcaaataat tatccgctca 540
 51 tgagacaata accctgataa atgcttcaat aatattgaaa aaggaagagt atgagtattc 600
 53 aacattttcg tgcgcctt attccttttt ttgcggcatt ttgccttctt gtttttgcctc 660
 55 acccagaaac gctggtgaaa gtaaaagatg ctgaagatca gttgggtgca cgagtggggt 720
 57 acatcgaaact ggatctcaac agcggtaaga tccttgagag ttttcgcccc gaagaacggt 780
 59 ttccaatgat gagcactttt cgaccgaata aatacctgtg acggaagatc acttcgcaga 840
 61 ataaataaat cctggtgtcc ctggtgatac cgggaagccc tgggccaact tttggcgaaa 900
 63 atgagacggt gatcggcacg taagagggtc caactttcac cataatgaaa taagatcact 960
 65 accgggcgta ttttttgagt tgcgagatt ttcaggagct aaggaagcta aaatggagaa 1020
 67 aaaaatcact ggatatacca ccgttgatat atcccaatgg catcgtaaag aacattttga 1080
 69 ggcatttcag tcagttgctc aatgtaccta taaccagacc gttcagctgg atattacggc 1140
 71 ctttttaaa accgtaaaga aaaataagca caagttttat ccggccttta ttcacattct 1200
 73 tgcccgcctg atgaatgctc atccggaatt acgtatggca atgaaagacg gtgagctggg 1260
 75 gatatgggat agtgttcacc cttgttacac cgttttccat gagcaaactg aaacgttttc 1320

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79 tgtggcgtgt tacgggtgaaa acctggccta tttccctaaa gggtttattg agaatatgtt 1440
81 tttcgtctca gccaatccct ggggtgagttt caccagtttt gattttaaagc tggccaatat 1500
83 ggacaacttc ttgccecccg ttttcacat gggcaaatat tatacgcaag gcgacaaggt 1560
85 gctgatgccg ctggcgattc aggttcatca tgcggtttgt gatggcttcc atgtcggcag 1620
87 aatgcttaat gaattacaac agtactgcga tgagtggcag ggcggggcgt aattttttta 1680
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91 gatgaatggc agaaattcga aagcaaatc gaccgggtcg tcggttcagg gcagggtcgt 1800
93 taaatagccg cttatgtcta ttgctggttt accggtttat tgactaccgg aagcagtgtg 1860
95 accgtgtgct tctcaaagtc ctgaggccag tttgctcagg ctctccccgt ggaggtaata 1920
97 attgacgata tgatcctttt tttctgatca aaaaggatct aggtgaagat cctttttgat 1980
99 aatctcatga ccaaaatccc ttaacgtgag ttttcgttcc actgagcgtc agaccccgta 2040
101 gaaaagatca aaggatcttc ttgagatcct tttttctgc gcgtaatctg ctgcttgcaa 2100
103 acaaaaaaac caccgctacc agcgggtggtt tgtttgccgg atcaagagct accaactctt 2160
105 tttccgaagg taactggctt cagcagagcg cagataccaa atactgtcct tctagtgtag 2220
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109 atcctgttac cagtggctgc tgccagtggc gataagtcgt gtcttaccgg gttggactca 2340
111 agacgatagc taccggataa ggcgcagcgg tcgggctgaa cgggggggtt gtgcacacag 2400
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165 atctgtcttc atcttccgc catctgatga gcagttgaaa tctggaactg cctctgttgt 4020
167 gtgcctgctg aataacttct atcccagaga ggccaaagta cagtggaagg tggataacgc 4080
169 cctccaatcg ggtaactccc aggagagtggt cacagagcag gacagcaagg acagcaccta 4140
171 cagcctcagc agcaccctga cgtgagcaa agcagactac gagaaacaca aagtatatgc 4200
173 ctgcgaagtc acccatcagg gcctgagctt gcccgtcaca aagagcttca acaggggaga 4260

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225 gctatcgatg gtttcatttg tgacgtttcc ggccttgcta atggtaaatg tgctactggt 5820
227 gattttgctg gctctaattc ccaaattggt caagtcgggtg acggtgataa ttcaccttta 5880
229 atgaataatt tccgtcaata ttaccttcc ctccctcaat cggttgaatg tcgccctttt 5940
231 gtcttttagc ctggtaaacc atatgaattt tctattgatt gtgacaaaat aaacttattc 6000
233 cgtggtgtct ttgcgtttct tttatatgtt gccaccttta tgtatgtatt ttctacgttt 6060
235 gctaacatac tgcgtaataa ggagtcttaa gctagctaat taatttaagc ggccgcagat 6120
237 ct 6122

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240 <210> SEQ ID NO: 2

241 <211> LENGTH: 6

242 <212> TYPE: DNA

243 <213> ORGANISM: Artificial Sequence

245 <220> FEATURE:

246 <223> OTHER INFORMATION: Description of Artificial Sequence: vector

248 <400> SEQUENCE: 2

249 actagt

6

252 <210> SEQ ID NO: 3

253 <211> LENGTH: 16

254 <212> TYPE: DNA

255 <213> ORGANISM: Artificial Sequence

257 <220> FEATURE:

258 <223> OTHER INFORMATION: Description of Artificial Sequence: collar sequence

261 <220> FEATURE:

262 <221> NAME/KEY: misc_feature

263 <222> LOCATION: (16)..(16)

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264 <223> OTHER INFORMATION: n is c or t
266 <400> SEQUENCE: 3
W--> 267 gggatcatctg gatgtn 16
270 <210> SEQ ID NO: 4
271 <211> LENGTH: 50
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
278 <400> SEQUENCE: 4
279 attaacactc tcccctgttg aagctctttg tgacgggcga actcaggccc 50
282 <210> SEQ ID NO: 5
283 <211> LENGTH: 68
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: duplexing oligo
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <222> LOCATION: (2)..(2)
294 <223> OTHER INFORMATION: n is a or g
296 <400> SEQUENCE: 5
W--> 297 cnacatccag atgacccggg cctgagttcg cccgtcaca agagcttcaa caggggagag 60
299 tgttaatt 68
302 <210> SEQ ID NO: 6
303 <211> LENGTH: 76
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: duplexing oligo
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (71)..(71)
314 <223> OTHER INFORMATION: n is c or t
316 <400> SEQUENCE: 6
317 ctagaattaa cactctcccc tgttgaagct ctttgtgacg ggcgaactca ggcccgggtc 60
W--> 319 atctggatgt ngagct 76
322 <210> SEQ ID NO: 7
323 <211> LENGTH: 20
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: collar sequence
331 <220> FEATURE:
332 <221> NAME/KEY: misc_feature
333 <222> LOCATION: (15)..(15)
334 <223> OTHER INFORMATION: n is c or a
336 <400> SEQUENCE: 7
W--> 337 gactgcacca gctgnacctg 20

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Input Set : A:\1087-3.txt

Output Set: N:\CRF4\04152005\J006591A.raw

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340 <210> SEQ ID NO: 8
341 <211> LENGTH: 33
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Description for Artificial Sequence: primer
348 <400> SEQUENCE: 8
349 ttgtgcacaa gatttgggct ctgctttctt gtc 33
352 <210> SEQ ID NO: 9
353 <211> LENGTH: 59
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Description of Artificial Sequence: duplexing oligo
361 <220> FEATURE:
362 <221> NAME/KEY: misc_feature
363 <222> LOCATION: (11)..(11)
364 <223> OTHER INFORMATION: n is g or t
366 <400> SEQUENCE: 9
W--> 367 tgcagcaggt ncagctggtg cagtcgacaa gaaagcagag cccaaatctt gtgacaaaa 59
370 <210> SEQ ID NO: 10
371 <211> LENGTH: 59
372 <212> TYPE: DNA
373 <213> ORGANISM: Artificial Sequence
375 <220> FEATURE:
376 <223> OTHER INFORMATION: Description of Artificial Sequence: duplexing oligo
379 <220> FEATURE:
380 <221> NAME/KEY: misc_feature
381 <222> LOCATION: (53)..(53)
382 <223> OTHER INFORMATION: n is a or c
384 <400> SEQUENCE: 10
W--> 385 ctagttttgt cacaagattt gggctctgct ttcttgtoga ctgcaccagc tgnacctgc 59
388 <210> SEQ ID NO: 11
389 <211> LENGTH: 6
390 <212> TYPE: DNA
391 <213> ORGANISM: Artificial Sequence
393 <220> FEATURE:
394 <223> OTHER INFORMATION: Description of Artificial Sequence: restriction site on
vector
396 <400> SEQUENCE: 11
397 gagctc 6
400 <210> SEQ ID NO: 12
401 <211> LENGTH: 6
402 <212> TYPE: DNA
403 <213> ORGANISM: Artificial Sequence
405 <220> FEATURE:
406 <223> OTHER INFORMATION: Description of Artificial Sequence: restriction site on
vector
408 <400> SEQUENCE: 12
409 tctaga 6
412 <210> SEQ ID NO: 13

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/15/2005
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Input Set : A:\1087-3.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 16
Seq#:5; N Pos. 2
Seq#:6; N Pos. 71
Seq#:7; N Pos. 15
Seq#:9; N Pos. 11
Seq#:10; N Pos. 53

VERIFICATION SUMMARY

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L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:60
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0